

CIVE ELECTIVES

View current version of this document at www.cive.uh.edu/programs/undergraduate/advising.

See course descriptions in [Undergraduate Catalog](#) for all courses except those taught under a temporary CIVE #397 Selected Topics number.

Fall Semesters:

- **CIVE 3380 Fundamentals of Plane Surveying** (Before F23 the prerequisite is MATH 3321. Starting F23 prerequisites are ENGI 1331, ENGI 2304, PHYS 2326, and MATH 3321.)
- **CIVE 4364 Steel Design** (prerequisite = CIVE 3337, plus credit for or concurrent enrollment in CIVE 3332)
- **CIVE 5362 Water Quality Engineering** (prerequisite = CIVE 3331, plus credit for or concurrent enrollment in CIVE 3434)

Spring Semesters:

- **CIVE 4337 Transportation Engineering** (prerequisites = INDE 2333 and two CIVE 3000-level courses)
- **CIVE 4381 Advanced Geomatics** (Before F23 the prerequisite is MATH 3321. Starting F23 the prerequisite is two of the following courses: CIVE 3331, CIVE 3332, CIVE 3337, CIVE 3339, and CIVE 3434.)
- **CIVE 5388 Hazardous Waste Processes** (prerequisite = CIVE 4333)

Summer Terms (TENTATIVE):

- **Restricted enrollment - CIVE 5397 Construction Law.** (prerequisites = ENGI 2304 and select upper-level CIVE courses.) Course has limited capacity. If you are interested in seeking enrollment in this course email the BSCE Advisor (Mrs. Alicea, lalicea@uh.edu) and Director of the BSCE Program (Dr. Herman, rherman@uh.edu) for instructions. Enrollment in this course is limited based on capacity and GPA.
- **CIVE 5397 Disaster Management and Rapid Recovery Plans** (prerequisites = ENGI 2304 and two CIVE 3000-level courses) Fundamentals of preparedness, minimization of loss, evacuations, debris issues, contaminated sites, etc. Manmade and natural disasters. Rules, guidelines and regulations at local, state and federal levels. Case studies with major losses, recovery, and lessons learned included.

Using CIVE Graduate Courses as CIVE Electives in BSCE Degree

Students with overall and major GPAs of at least 3.0 who are taking upper-level CIVE classes can seek approval to take up to two CIVE graduate classes and use them as CIVE Electives in their BSCE degrees. Approval is not guaranteed and will vary by course. (In a separate approval process through the graduate program - courses **might** be allowed to double-count towards appropriate graduate degree.) To seek permission to enroll in and count a CIVE graduate course towards BSCE degree submit a [General Petition](#). On the petition:

- Fill out contact information at top left.
- Check Item 12.
- Explanation: "I would like to take CIVE ##### COURSE NAME in SEMESTER YEAR and use it as a CIVE Elective in my BSCE degree plan. I will be taking a total of X hours (including the graduate course) in SEMESTER YEAR and I will be working Y hours outside of school at EMPLOYER NAME. (If you aren't going to be working outside of school replace the last part with "I will not be working outside school.")
- Sign and date where indicated. Email completed form to the BSCE Advisor (Mrs. Alicea, lalicea@uh.edu) and Director of the BSCE Program (Dr. Herman, rherman@uh.edu).
- After the undergraduate program enrolls you in the graduate course, email the Graduate Advisor (civilgrad@egr.uh.edu) to request instructions on pursuing admission to the accelerated graduate program to double-count these courses towards an appropriate graduate degree.